

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1.-16. (cancelled)

17. (currently amended) A screw closing cap, designed to cooperate with a neck of a receptacle, said neck forming a mouth lip on an upper part and comprising an outer thread on a sidewall and a recessed part on which said cap will be crimped, said cap comprising:

a) an outer shell,

b) an insert, said insert being contained in said outer shell and being fixed to said outer shell and comprising an inner head forming a bottom of said insert and an inner skirt provided with an inner thread ~~designed to cooperate~~ that cooperates with the outer thread of said neck, and

c) a seal forming an add-on part fixed to said insert, said seal comprising a central part and a peripheral ~~part or~~ edge, wherein

a) said inner skirt comprises a circular tab ~~with an~~ that is axial spacing spaced from said inner head ~~forming a bottom of said insert~~, so as to form an annular groove with an axial height equal to at least a thickness of said seal, said

annular groove being limited at a top part by said circular tab and at a lower part by said thread,

b) a diameter of said seal is such that said peripheral edge cooperates with said annular groove, said seal having annular overlap areas with said tab ~~and with said thread called upper annular overlap area and lower annular overlap area respectively~~, so that said seal remains fixed to said insert before said cap is screwed onto said neck, or after said cap is unscrewed from said neck,

c) said circular tab has a flexible radial end and a radial width such that, when said cap is screwed onto said neck, said flexible radial end of the said circular tab and said peripheral edge of said seal ~~cooperate~~ simultaneously bend from positions that are substantially parallel to each other, said circular tab applying a radial compression on said peripheral edge, so as to apply said peripheral edge in contact with said neck, forming an overlap area inclined at more than 45° from the horizontal between said peripheral edge and said ~~circular tab~~ flexible radial end, thus sealing said cap screwed to said neck.

18. (currently amended) The cap according to claim 17 in which said insert comprises a plurality of notches or retaining pins, so as to ~~provide said lower annular overlap area instead of or in addition to said thread, so as to~~ fix said seal to said insert.

19. (previously presented) The cap according to claim 17, in which a thickness of said inner skirt of said insert at a bottom of the thread is between 0.15 mm and 0.5 mm.

20. (previously presented) The cap according to claim 17 in which said insert is a threaded and moulded insert made of a thermoplastic material.

21. (previously presented) The cap according to claim 17 in which said shell is an aluminium or tin metal shell, made of a crimpable multilayer metalloplastic material.

22. (canceled)

23. (previously presented) The cap according to claim 17 in which said insert has a height less than a height of said shell.

24. (previously presented) The cap according to claim 23 in which the height of said shell is at least twice as high as the height of said insert so as to form a cap with a long skirt.

25. (previously presented) The cap according to claim 24 in which the said shell comprises a means of detecting or

facilitating a first opening, said means being located at a height between the height of said shell and the height of the insert, such that said means is located above said recessed part of said neck when said cap is screwed onto said neck, said cap being crimped to said neck by local deformation of said outer skirt of said shell in said recessed part, such that said cap cannot be unscrewed without breaking said means of detecting or facilitating a first opening.

26. (canceled)

27. (currently amended) The cap according to claim 26 in which said insert includes a means of detecting or facilitating a first opening, said inner skirt of the said insert including an attachment means in a lower part designed to cooperate with said recessed part when said cap is screwed and crimped to said neck.

28. (previously presented) The cap according to claim 17 in which said shell has a radius of curvature RC of the said shell at a junction between said outer head and said outer skirt between 1.5 mm and 2.5 mm.

29. (previously presented) The cap according to claim 28 in which said shell has a radius of curvature RC equal to at

least 2 mm, and said insert has a radius of curvature RC_i substantially equal to RC , such that an entire part of said shell compresses said insert or is in contact with said insert, and said insert thus has an improved resistance at high temperature.

30. (previously presented) The cap according to claim 17 in which said insert and said shell are fixed by at least one of force fitting and an adhesive layer fixing said outer skirt and inner skirt together.

31. (previously presented) The cap according to claim 17 in which a complementary element is fixed to said insert or to said seal, said complementary element being designed to remain fixed to said neck after said cap has been unscrewed, said complementary element forming a pouring spout.

32. (previously presented) The cap according to claim 18, in which a thickness of said inner skirt of said insert at a bottom of the thread is between 0.15 mm and 0.5 mm.

33. (currently amended) A screw closing cap, configured to cooperate with a neck of a receptacle, said neck forming a mouth lip on an upper part and comprising an outer thread on a sidewall and a recessed part on which said cap is to be crimped, said cap comprising:

an outer shell,

an insert contained in said shell and being fixed to said shell and comprising an inner head and an inner skirt provided with an inner thread designed to cooperate with the outer thread of said neck, and

a horizontal seal forming an add-on part fixed to said insert, said seal comprising a central part and a peripheral edge,

said inner skirt comprises a circular tab with an axial spacing from said inner head, so as to form an annular groove, said annular groove being delimited at a top part by said circular tab and at a lower part by said thread,

a diameter of said seal is such that said peripheral edge cooperates with said annular groove, said seal having an annular overlap ~~areas~~ area with said tab ~~and with said thread and comprising an upper annular overlap area and a lower annular overlap area respectively,~~ so that said seal remains fixed to said insert before said cap is screwed onto said neck, or after said cap is unscrewed from said neck,

said circular tab has a flexible radial end such that, when said cap is screwed onto said neck, said flexible radial end ~~moves~~ bends from a horizontal first position to a second position and said peripheral edge simultaneously bends from a position substantially parallel with said flexible radial end so that the

flexible radial end ~~forming~~ forms an overlap area with said peripheral edge inclined at more than 45° from the horizontal.